WHAT IS CLAIMED IS:

1   CLAIM 1. A method for providing resources from a Web server to a client computer,

2   the method comprising:

3   receiving a single request from a client computer, the single request identifying a

4   desired Web page;

5   including a plurality of resources associated with the desired Web page in an archive

6   file; and

7   sending the archive file to the client computer in response to the single request.

1   CLAIM 2. The method of claim 1, further comprising:

2   compressing the plurality of resources associated with the desired Web page into the

3   archive file.

1   CLAIM 3. The method of claim 1, further comprising:

2   selecting the archive file from a plurality of archive files.

1   CLAIM 4. The method of claim 1, further comprising:

2   including a plurality of resources associated with an additional Web page in the

3   archive file.

CLAIM 5. The method of claim 2, further comprising:

receiving a depth value from the client computer;

identifying a plurality of additional Web pages associated with the desired Web page;

limiting a number of Web pages in the plurality of additional Web pages using the depth value; and

including the plurality of resources associated with the limited number of Web pages in the archive file.

CLAIM 6. The method of claim 1, further comprising:

receiving a size value from the client computer; and

limiting the size of the archive file to the size value.

CLAIM 7. The method of claim 1, further comprising:

including metadata from the desired Web page in the archive file.

CLAIM 8. The method of claim 7, wherein the metadata is selected from a group comprising:

keywords found in the desired Web page, parent Web pages of the desired Web page, child Web pages of the desired Web page, links found in the desired Web page, administrative contacts for the desired Web page, and meta-tags found in the desired Web page.

CLAIM 9. The method of claim 1, further comprising:

including a site map in the archive file.

1 CLAIM 10. The method of claim 1, further comprising:

2 authenticating a manifest file; and

3 including the manifest file in the archive file.

1 CLAIM 11. A method for providing resouorces from a Web server to a client

2 computer, the method comprising:

3 receiving a single request from a client computer, the single request identifying a

4 desired Web page;

5 generating a site map including the desired Web page; and

6 sending an archive file containing the site map to the client computer in response to

7 the single request.

1 CLAIM 12. The method of claim 11, further comprising:

2 receiving a size value from the client computer; and

3 limiting the size of the archive file to the size value.

1 CLAIM 13. The method of claim 11, further comprising:

2 receiving a sub-string of an URL from the client computer; and

3 wherein said generating the site map includes identifying Web pages with an URL

4 including the sub-string.

1 CLAIM 14. The method of claim 11, further comprising:

2 receiving a value from the client computer; and

3 limiting a number of Web pages in the site map to the value.

1   CLAIM 15. A method for providing resources from a Web server to a client

2   computer, the method comprising:

3   receiving a single request from a client computer, the single request identifying a

4   desired Web page; and

5   sending an archive file containing metadata from the desired Web page to the client

6   computer in response to the single request.

1   CLAIM 16. The method of claim 15, wherein the metadata is selected from a group

2   comprising:

3   keywords found in the desired Web page, parent Web pages of the desired Web page,

4   child Web pages of the desired Web page, links found in the desired Web page,

5   administrative contacts for the desired Web page, and meta-tags found in the desired Web

6   page.

1   CLAIM 17. The method of claim 15, further comprising:

2   receiving a size value from the client computer; and

3   limiting the size of the archive file using the size value.

1   CLAIM 18. The method of claim 15, further comprising:

2   receiving a sub-string of an URL from the client computer; and

3   including metadata from Web pages having an URL that includes the sub-string in

4   the archive file.

1   CLAIM 19. The method of claim 18, further comprising:

2   receiving a value from the client computer; and

3   limiting a number of Web pages in the archive file to the value.

CLAIM 20. A method for providing resources from a Web server to a client computer, the method comprising:

establishing a connection with a Web server;

sending a single request to the Web server, the single request identifying a desired Web page;

receiving an archive file containing a plurality of resources associated with the desired Web page;

breaking the connection with the Web server;

decompressing the plurality of resources associated with the desired Web page; and

displaying the Web page after said breaking the connection.

CLAIM 21 The method of claim 20 wherein the archive file contains a plurality of resources associated with an additional Web page linked to the desired Web page, and wherein said method further includes:

displaying the additional Web page after said breaking the connection.

CLAIM 22. The method of claim 20, further comprising:

indicating a size value in the single request, the size value indicating the maximum size of the archive file.

CLAIM 23. The method of claim 20 wherein the archive file in said receiving an archive file contains metadata for the desired Web page, and wherein said method further includes:

searching the metadata after said breaking the connection.

1   CLAIM 24. The method of claim 23, wherein the metadata is selected from the

2 group comprising:

3   keywords found in the desired Web page, parent Web pages of the desired Web page,

4 child Web pages of the desired Web page, links found in the desired Web page,

5 administrative contacts for the desired Web page, and meta-tags found in the desired Web

6 page.

1   CLAIM 25. The method of claim 20, wherein the archive file in said receiving an

2 archive file contains a site map including the desired Web page, and wherein said method

3 further includes:

4   searching the site map after said breaking the connection.

1   CLAIM 26. A method for providing resources from a Web server to a client

2 computer, the method comprising:

3   sending a single request to a Web server, the single request identifying a desired Web

4 page;

5   receiving an archive file containing a site map including the desired Web page; and

6 searching the site map.

1   CLAIM 27. The method of claim 26, further comprising:

2   indicating the maximum size of the archive file in the single request.

1   CLAIM 28. The method of claim 26, further comprising:

2   indicating in the single request the maximum number of Web pages in the site map.

1   CLAIM 29. A method for providing resources from a Web server to a client

2 computer, the method comprising:

3   sending a single request to a Web server, the single request identifying a desired Web

4 page;

5   receiving an archive file containing the metadata for the desired Web page; and

6 searching the metadata.

1   CLAIM 30. The method of claim 29, wherein the metadata is selected from the

2 group comprising:

3   keywords found in the desired Web page, parent Web pages of the desired Web page,

4 child Web pages of the desired Web page, links found in the desired Web page,

5 administrative contacts for the desired Web page, and meta-tags found in the desired Web

6 page.

1   CLAIM 31. The method of claim 29, further comprising:

2 indicating the maximum size of the archive file in the single request.

1   CLAIM 32. The method of claim 29, further comprising:

2 indicating a sub-string of an URL in the single request; and

3 wherein the archive file contains the metadata from Web pages having an URL that

4 includes the sub-string.

1   CLAIM 33. The method of claim 32, further including:

2 indicating in the single request the maximum number of Web pages in the archive

3 file.

1   CLAIM 34. A storage medium encoded with machine-readable computer program

2   code for providing resources from a Web server to a client computer, the storage medium

3   including instructions for causing a computer to implement a method comprising:

4   receiving a single request from a client computer, the single request identifying a

5   desired Web page,

6   including a plurality of resources associated with the desired Web page in an archive

7   file; and

8   sending the archive file to the client computer in response to the single request.

1   CLAIM 35. The storage medium of claim 34, further comprising instructions for

2   causing the computer to implement:

3   compressing the plurality of resources associated with the desired Web page into the

4   archive file.

1   CLAIM 36. The storage medium of claim 34, further comprising instructions for

2   causing the computer to implement:

3   selecting the archive file from a plurality of archive files.

1   CLAIM 37. The storage medium of claim 34, further comprising instructions for

2   causing the computer to implement:

3   including a plurality of resources associated with an additional Web page in the

4   archive file.

1   CLAIM 38. The storage medium of claim 35, further comprising instructions for

2   causing the computer to implement:

3   receiving a depth value from the client computer;

4   identifying a plurality of additional Web pages associated with the desired Web page;

5   limiting a number of Web pages in the plurality of additional Web pages using the

6   depth value; and

7   including the plurality of resources associated with the limited number of Web pages

8   in the archive file.

1   CLAIM 39. The storage medium of claim 34, further comprising instructions for

2   causing the computer to implement:

3   receiving a size value from the client computer; and

4   limiting the size of the archive file to the size value.

1   CLAIM 40. The storage medium of claim 34, further comprising instructions for

2   causing the computer to implement:

3   including metadata from the desired Web page in the archive file.

1   CLAIM 41. The storage medium of claim 40, wherein the metadata is selected from

2   the group comprising:

3   keywords found in the desired Web page, parent Web pages of the desired Web page,

4   child Web pages of the desired Web page, links found in the desired Web page,

5   administrative contacts for the desired Web page, and meta-tags found in the desired Web

6   page.

1   CLAIM 42. The storage medium of claim 34, further comprising instructions for

2 causing the computer to implement:

3   including a site map in the archive file.

1   CLAIM 43. The storage medium of claim 34, further comprising instructions for

2 causing the computer to implement:

3   authenticating a manifest file; and

4   including the manifest file in the archive file.

1   CLAIM 44. A storage medium encoded with machine-readable computer program

2 code for providing resources from a Web server to a client computer, the storage medium

3 including instructions for causing a computer to implement a method comprising:

4   receiving a single request from a client computer, the single request identifying a

5 desired Web page;

6   generating a site map including the desired Web page; and

7   sending an archive file containing the site map to the client computer in response to

8 the single request.

1   CLAIM 45. The storage medium of claim 44, further comprising instructions for

2 causing the computer to implement:

3   receiving a size value from the client computer; and

4   limiting the size of the archive file to the size value.

CLAIM 46. The storage medium of claim 44, further comprising instructions for causing the computer to implement:

receiving a sub-string of an URL from the client computer; and

wherein said generating the site map includes identifying Web pages with an URL including the sub-string.

CLAIM 47. The storage medium of claim 44, further comprising instructions for causing the computer to implement:

receiving a value from the client computer; and

limiting a number of Web pages in the site map to the value.

CLAIM 48. A storage medium encoded with machine-readable computer program code for providing resources from a Web server to a client computer, the storage medium including instructions for causing a computer to implement a method comprising:

receiving a single request from a client computer, the single request identifying a desired Web page; and

sending an archive file containing metadata from the desired Web page to the client computer in response to the single request.

CLAIM 49. The storage medium of claim 48, wherein the metadata is selected from the group comprising:

keywords found in the desired Web page, parent Web pages of the desired Web page, child Web pages of the desired Web page, links found in the desired Web page, administrative contacts for the desired Web page, and meta-tags found in the desired Web page.

1   CLAIM 50. The storage medium of claim 48, further comprising instructions for

2   causing the computer to implement:

3   receiving a size value from the client computer; and

4   limiting the size of the archive file using the size value.

1   CLAIM 51. The storage medium of claim 48, further comprising instructions for

2   causing the computer to implement:

3   receiving a sub-string of an URL from the client computer; and

4   including metadata from Web pages having an URL that includes the sub-string in

5   the archive file.

1   CLAIM 52. The storage medium of claim 51, further comprising instructions for

2   causing the computer to implement:

3   receiving a value from the client computer; and

4   limiting a number of Web pages in the archive file to the value.

1   CLAIM 53. A storage medium encoded with machine-readable computer program

2   code for providing resources from a Web server to a client computer, the storage medium

3   including instructions for causing a computer to implement a method comprising:

4   establishing a connection with a Web server;

5   sending a single request to the Web server, the single request identifying a desired

6   Web page;

7   receiving an archive file containing a plurality of resources associated with the

8   desired Web page;

9   breaking the connection with the Web server;

10   decompressing the plurality of resources associated with the desired Web page; and

11   displaying the Web page after said breaking the connection.

1　　　　CLAIM 54　The storage medium of claim 53, wherein the archive file contains a

2　plurality of resources associated with an additional Web page linked to the desired Web

3　page, and further comprising instructions for causing the computer to implement:

4　　　　displaying the additional Web page after said breaking the connection.

1　　　　CLAIM 55.　The storage medium of claim 53, further comprising instructions for

2　causing the computer to implement:

3　　　　indicating a size value in the single request, the size value indicating the maximum

4　size of the archive file.

1　　　　CLAIM 56.　The storage medium of claim 53, wherein the archive file in said

2　receiving an archive file contains metadata for the desired Web page, and further comprising

3　instructions for causing the computer to implement:

4　　　　searching the metadata after said breaking the connection.

1　　　　CLAIM 57.　The storage medium of claim 56, wherein the metadata is selected from

2　the group comprising:

3　　　　keywords found in the desired Web page, parent Web pages of the desired Web page,

4　child Web pages of the desired Web page, links found in the desired Web page,

5　administrative contacts for the desired Web page, and meta-tags found in the desired Web

6　page.

1　　　　CLAIM 58.　The storage medium of claim 53, wherein the archive file in said

2　receiving an archive file contains a site map including the desired Web page, and further

3　comprising instructions for causing the computer to implement::

4　　　　searching the site map after said breaking the connection.

1   CLAIM 59. A storage medium encoded with machine-readable computer program

2   code for providing resources from a Web server to a client computer, the storage medium

3   including instructions for causing a computer to implement a method comprising:

4   sending a single request to a Web server, the single request identifying a desired Web

5   page;

6   receiving an archive file containing a site map including the desired Web page; and

7   searching the site map.

1   CLAIM 60. The storage medium of claim 59, further comprising instructions for

2   causing the computer to implement:

3   indicating the maximum size of the archive file in the single request.

1   CLAIM 61. The storage medium of claim 59, further comprising instructions for

2   causing the computer to implement::

3   indicating in the single request the maximum number of Web pages in the site map.

1   CLAIM 62. A storage medium encoded with machine-readable computer program

2   code for providing resources from a Web server to a client computer, the storage medium

3   including instructions for causing a computer to implement a method comprising:

4   sending a single request to a Web server, the single request identifying a desired Web

5   page;

6   receiving an archive file containing the metadata for the desired Web page; and

7   searching the metadata.

1   CLAIM 63. The storage medium of claim 62, wherein the metadata is selected from

2   the group comprising:

3   keywords found in the desired Web page, parent Web pages of the desired Web page,

4   child Web pages of the desired Web page, links found in the desired Web page,

5   administrative contacts for the desired Web page, and meta-tags found in the desired Web

6   page.

1   CLAIM 64. The storage medium of claim 62, further comprising instructions for

2   causing the computer to implement::

3   indicating the maximum size of the archive file in the single request.

1   CLAIM 65. The storage medium of claim 62, further comprising instructions for

2   causing the computer to implement::

3   indicating a sub-string of an URL in the single request; and

4   wherein the archive file contains the metadata from Web pages having an URL that

5   includes the sub-string.

1   CLAIM 66. The storage medium of claim 65, further comprising instructions for

2   causing the computer to implement:

        indicating in the single request the maximum number of Web pages in the archive

file.

1   CLAIM 67. A system for providing information from a Web server to a client

2   computer, the system comprising:

3   a Web server;

4   a storage device coupled to said web server;

5   a web site stored in said storage device, said web site comprising a plurality of HTML

6   pages and a plurality of resources referenced by said plurality of HTML pages;

7   a network connected to said web server;

8   a client computer connected to said network, said client computer configured to

9   provide a single HTTP request to said Web server, said single HTTP request identifying a

10   desired HTML page in said web site, said Web server configured to identify a plurality of

11   resources associated with said desired HTML page and send an archive file containing said

12   plurality of resources associated with said desired HTML page to said client computer via

13   said network.

1   CLAIM 68. The system of claim 67, wherein said Web server is configured to

2   compress said plurality of resources associated with said desired HTML page into said

3   archive file.

1   CLAIM 69. The system of claim 67, wherein said Web server is configured to select

2   said archive file from a plurality of archive files stored in said storage device.

1   CLAIM 70. The system of claim 67, wherein said Web server is configured to include

2   said plurality of resources referenced by said plurality of HTML pages in said archive file.

1 CLAIM 71. The system of claim 68, wherein said Web server is configured to receive
2 a value from said client computer, identify a group of HTML pages selected from said
3 plurality of HTML pages, limit a number of HTML pages in said group of HTML pages
4 using said value, and include a group of resources associated with said group of HTML pages
   in said archive file.

1 CLAIM 72. The system of claim 67, wherein said Web server is configured to
2 receive a size value from the client computer and limit a size of said archive file to said size
3 value.

1 CLAIM 73. The system of claim 67, wherein said Web server is configured to
2 include metadata from said desired HTML page in said archive file.

1 CLAIM 74. The system of claim 73, wherein said metadata is selected from a group
2 comprising:
3 keywords found in the desired HTML page, parent HTML pages of the desired
4 HTML page, child HTML pages of the desired HTML page, links found in the desired
5 HTML page, administrative contacts for the desired HTML page, and meta-tags found in the
6 desired HTML page.

1 CLAIM 75. The system of claim 73, wherein said Web server is configured to
2 include a site map in said archive file.

1 CLAIM 76. The system of claim 73, wherein said Web server is configured to
2 authenticate a manifest file and include said manifest file in said archive file.

CLAIM 77. A system for providing information from a Web server to a client computer, the system comprising:

a Web server;

a storage device coupled to said web server;

a web site stored in said storage device, said web site comprising a plurality of HTML pages and a plurality of resources referenced by said plurality of HTML pages;

a network connected to said web server;

a client computer connected to said network, said client computer configured to provide a single HTTP request to said Web server, said single HTTP request identifying a desired HTML page in said web site, said Web server configured to send an archive file containing a site map to said client computer in response to said single HTTP request.

CLAIM 78. The system of claim 77, wherein said Web server is configured to receive a size value from said client computer limit a size of said archive file to the size value.

CLAIM 79. The system of claim 77, wherein said Web server is configured to receive a sub-string of an URL from said client computer and generate said site map to include HTML pages having an URL including said sub-string.

CLAIM 80. The system of claim 77 wherein said Web server is configured to receive a value from said client computer and limit a number of HTML pages in said site map to said value.

1   CLAIM 81.   A system for providing information from a Web server to a client

2   computer, the system comprising:

3   a Web server;

4   a storage device coupled to said web server;

5   a web site stored in said storage device, said web site comprising a plurality of HTML

6   pages and a plurality of resources referenced by said plurality of HTML pages;

7   a network connected to said web server;

8   a client computer connected to said network, said client computer configured to

9   provide a single HTTP request to said Web server, said single HTTP request identifying a

10   desired HTML page in said web site, said Web server configured send an archive file

11   containing metadata from said desired Web page to said client computer in response to said

12   single request.

1   CLAIM 82.   The system of claim 81, wherein said metadata is selected from a group

2   comprising:

3   keywords found in said desired HTML page, parent HTML pages of said desired

4   HTML page, child HTML pages of said desired HTML page, links found in said desired

5   HTML page, administrative contacts for said desired HTML page, and meta-tags found in

6   said desired HTML page.

1   CLAIM 83.   The system of claim 81, wherein said Web server is configured to

2   receive a size value from said client computer and limit a size of said archive file using said

3   size value.

1   CLAIM 84.   The system of claim 81, wherein said Web server is configured to

2   receive a sub-string of an URL from said client computer and include in said archive file

3   metadata from HTML pages having an URL that includes said sub-string.

1   CLAIM 85. The system of claim 84, wherein said Web server is configured to

2   receive a value from a client computer and limit a number of HTML pages in said archive

3   file to said value.